

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

12. (Previously presented) An integrated circuit switching hub, comprising:

a plurality of input/output ports;

a bus communicatively connected to each of said plurality of input/output ports;

a plurality of data switches that switch data from said plurality of input/output ports

onto said bus; and

an arbitrator connected to each of said plurality of data switches that controls said data switches to switch data from any one of said input/output ports to any other of the input/output ports in accordance with a predetermined selection scheme,

wherein said integrated circuit switching hub is fabricated having multiple layers,

wherein said bus resides in a first layer of said multiple layers, and

wherein said plurality of input/output ports, said plurality of data switches, and said arbitrator reside in layers adjacent to the first layer.